

SCOPE OF WORK FOR THE STABILIZATION AND PRESERVATION OF THE LEIGH LAKE PATROL CABIN 2008



South Elevation Leigh Lake Patrol Cabin



East Elevation Leigh Lake Patrol Cabin

The Leigh Lake Patrol Cabin 2008 project entails a new wood shingle roof (#1 chemco treated 16") and general repair and replacement (in kind) of historic material. The wood shingle roof at present is in fair shape but because of the importance of the cabin (being on the National Register of Historic Places, a visitor contact station and an overnight site for National Park backcountry rangers and trail crews) the shingles will be replaced with fire resistant treated shingles. The general repairs will include replacement or partial replacement of three half log porch deck members, consolidation and repairing of some log ends, window frame and sash repair and painting, under deck support member replacement and epoxy log repair.

The roof section of the project, besides new fire resistant shingles, will also include replacement or partial replacement of any 1"x 10" roof sheathing boards, replacement of the 1"x 4" roof board end supports, removal and replacement of the roof stove jack and removal and replacement of the 1" x 6" roof ridge boards.



Roof Stove Jack



Roof Ridge Boards



Top to Bottom: shingles, sheathing boards, sheathing board end supports

The porch deck is made of half logs. The deck is V shaped from the center back to each porch sidewall. From the center or longest half log on the left side (South view) the first three deck logs are end rotted to the point of replacement or partial replacement. The replacements will be obtained locally from area timber downfall. Approximately three feet back beneath the deck is a support log extending from one side of the deck to the other side of the deck. The deck support log is braced in the center by a section of 10" log from the ground surface to the bottom edge of the log. This support brace is rotten and will also be replaced.



End Rot on Half Log Deck



End Rot on Half Log Deck



Rotted Brace for Front Deck Support Log

The second log above the deck surface on the East porch sidewall has an area of decay that needs to be removed and repaired. The decayed area is not large enough to require a Dutchman repair or replacement. The decay will be removed and an epoxy repair will be done.



Epoxy Repair Located 2nd Log above Deck Surface Extends From Log End to Behind Aspen Tree

The windows at the Leigh Lake Cabin are double hung style laid on their sides and used as sliders which is prevalent throughout Grand Teton National Park on the historic cabins. The three windows, including frames, sashes and trim, on this cabin are in need of repair and painting. This will require their removal, covering the opening and their replacement.



Front Window South Elevation View



Side Window East Elevation View



Side Window West Elevation View

A few of the cabin log ends, although not in need of replacement, would benefit from wood stabilization. The ends will have the paint removed, consolidated and epoxy repaired if necessary.



Square Notched Log Ends



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